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<b>(21) International Application Number:</b> PCT/US95/03554 <b>(22) International Filing Date:</b> 21 March 1995 (21.03.95) <b>(30) Priority Data:</b> 08/215,279      21 March 1994 (21.03.94)      US <b>(71) Applicant:</b> THE ANSPACH EFFORT, INC. [US/US]; 4500 Riverside Drive, Palm Beach Gardens, FL 33410 (US). <b>(72) Inventors:</b> ANSPACH, William, E., Jr.; 4500 Riverside Drive, Palm Beach Gardens, FL 33410 (US). REID, William, S.; 1932 Alcoa Highway, Knoxville, TN 37920 (US). DEL RIO, Eddy, H.; 11413 52nd Road North, Royal Palm Beach, FL 33411 (US). ANSPACH, William, E., III; 4500 Riverside Drive, Palm Beach Gardens, FL 33410 (US). <b>(74) Agents:</b> STEELE, J., Rodman, Jr. et al.; Quarles & Brady, Esperante Building, 222 Lakeview Avenue, 4th floor, West Palm Beach, FL 33401 (US).		<b>(81) Designated States:</b> AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG).  <b>Published</b> <i>With international search report.</i>

**(54) Title:** FASTENER FOR ATTACHING OBJECTS TO BONES**(57) Abstract**

A fastener adapted to expand into bone has a tubular body having a longitudinal opening therethrough with a stop within the opening. The body (10) has a head (10) at one end and a longitudinal slot (24) extends through the body near the other end to form ribs (12) that expand radially when the body is compressed. A puller (4) projects through the opening in the rivet (3) and has a head (20) that engages the other end to compress the rivet when the puller is pulled through the body. An annular recess (19) is formed in the puller near the head and the other end of the body is crimped into the recess to aid expansion of the ribs. The puller is weakened at a point (30) so that it will break upon continued pulling after the ribs reach a fully expanded state.

